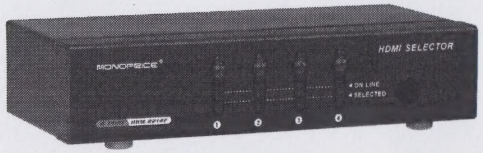
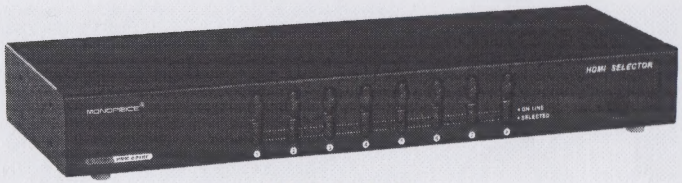
MONOPRICE®

HDMI SELECTOR



(HRM-2214F)



(HRM-2218F)

USER MANUAL V1.4

HRM-2214F / HRM-2218F

Package Contents

- 1 MONOPRICE HRM-2214F or HRM-2218F HDMI Selector
- 1 user manual
- 1 power adapter DC 12V
- 1 remote controller
- 1 RS-232 1.8M cable (DB-9 Male to Female)
- 1 RS-232 control software CD
- 2 rack rails, 8 screws for HRM-2218F only

Any thing missed, please contact with your vendor.

Features

- HDTV resolution up to 1080p (12Bits) or 1200p (8Bits).
- Support RS-232 control.
- Remote controller for operation.
- Hot pluggable.
- Auto skips over the power-off and unplugged cable.
- 1U rack design for HRM-2218F.

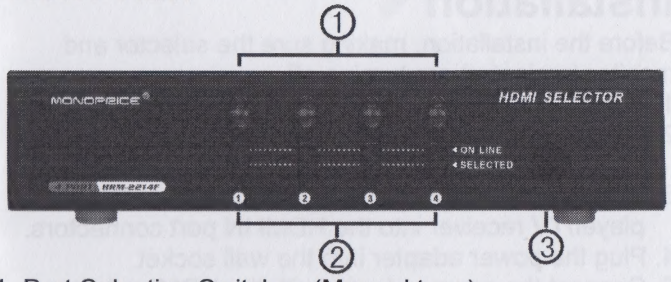
Specification

Function		HRM-2214F	HRM-2218F
HDMI Input Connector (A-Type Female)		4	8
HDMI Output Connector (A-Type Female)		1	
LEDs	On Line	4	8
	Selected	4	8
Select Switch		4	8
RS-232 Connector		1x DB-9 Female	
Max Pixel clocks		225MHz	
Power Adapter (Min.)		DC 12V	
Housing		Metal	
Weight		585 g	1170 g
Dimensions (LxWxH) mm		200x75x45	342x104x45

Hardware Requirements

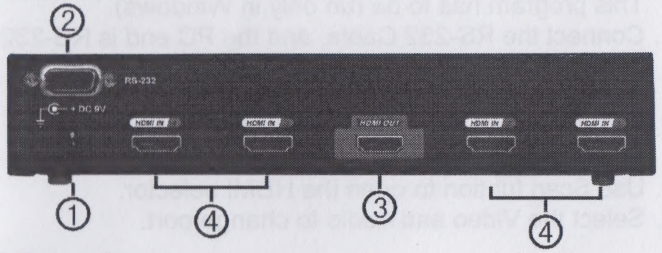
	Requirement specifications
HDTV	One LCD, PLASMA TV or projector with HDMI input function.
DVD player / TV Receiver	HDMI output function.
Cable	HDMI male to male Standard cable.

FRONT VIEW



1. Port Selection Switches (Manual type)
   Press the switch to access the selected DVD player/TV receiver.
2. Port LEDs
   - All the red LEDs flash while the power adapter is well connected.
   - Green LEDs light up while the DVD player/TV receiver has well connected and starting operation.
   - Red LEDs light up while the DVD player/TV receiver has successfully been selected.
3. IR Receiver
   Take aim at IR receiver with remote controller.

Rear View



1 Power Supply
Plug the DC 12V power adapter.

2. RS232 Port Connector
   Plug the RS-232 cable.(Optional)
3. HDMI OUT Port Connector
   Plug the monitor cable.
4. HDMI IN Port Connectors
   Plug the extension cables from HDMI port of HDMI output port of device.

Installation

Before the installation, making sure the selector and monitor (projector) are turning off.

1. Making sure all equipments are turned off.
2. Plug the monitor cable into the HDMI OUT port connector.
3. Plug the extension cables from HDMI port of DVD player/TV receiver into the HDMI IN port connectors.
4. Plug the power adapter into the wall socket.
5. Connect the power adapter with the HDMI selector.
6. Turn on the monitor first.
7. All red LEDs will flash back and forth, otherwise, go back to check the step 4 and 5.
8. Turn on the DVD player/TV receiver.
9. The LEDs green light turn on while the DVD player/TV receiver have well been connected and maintaining the activation.

RS-232 control software Installation

1. Install the application program DHR Matrix.msi. (Note: This program has to be run only in Windows).
2. Connect the RS-232 Cable, and the PC end is RS-232 port (COM-X) while the HDMI selector end is the RS232 port.
3. Power on the HDMI selector and run DHRM.exe. Select the COM port.
4. Use Scan funtion to open the HDMI selector.
5. Select the Video and Audio to change port.

Operation

1. Port selection

- Press the button of "port selection switch" for accessing the wanted DVD player/TV receiver.
- The selected corresponding port will light on for the red LEDs which indicating the port is actived.

2. IR remote control

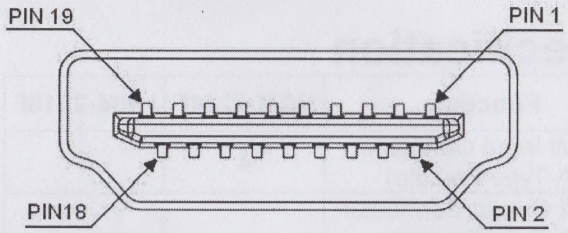
- Use "1", "2" key to select DVD player/TV receiver that wanted DVD player/TV receiver.
- Use "▲", "▼" key to select another DVD player/TV receiver.
- Use "⏻" key to power on/off selector.

3. RS-232 control

- Use mouse the left key to clicking DVD player/TV receiver that wanted DVD player/TV receiver.

Technical Specifications

HDMI Input/Output Signal



Pin #	Signal	Pin #	Signal
1	TMDS Data 2+	11	TMDS Clock Shield
2	TMDS Data 2 Shield	12	TMDS Clock -
3	TMDS Data 2-	13	CEC
4	TMDS Data 1+	14	Reserved (N.C. on device)
5	TMDS Data 1 Shield	15	SCL
6	TMDS Data 1-	16	SDA
7	TMDS Data 0+	17	DDC/CEC Ground
8	TMDS Data 0 Shield	18	+5 Power
9	TMDS Data 0-	19	Hot Plug Detect
10	TMDS Clock+		

Supported RS232 DCE Signal

Pin #	Signal	Pin #	Signal
1	N/A	6	N/A
2	Transmit Data	7	N/A
3	Received Data	8	N/A
4	N/A	9	N/A
5	Signal Ground		

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